

## CHANGE ORDER

<b>PROJECT:</b>	2019 Sewer Rehabilitation	<b>DATE:</b>	01/10/2020
	Willoughby Hills, Ohio 44094	<b>CHANGE ORDER NO.:</b>	01
<b>CONTRACTOR:</b>	United Survey, Inc.	<b>ORDINANCE NO.:</b>	2019-51
	25145 Broadway Ave		
	Oakwood Village, Ohio 44146	<b>CONTRACT DATE:</b>	07/28/19

## THE CONTRACT IS CHANGED AS FOLLOWS:

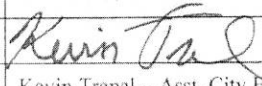
Original Contract Amount	\$ 174,498.75
Amount of Previously Authorized Change Orders	\$0.00
Contract Amount Prior to this Change Order	\$ 174,498.75
This Change Order Amount	\$ 7,536.25
Revised Contract Amount Including this Change Order	\$ 182,035.00
Change in Contract Time	90 days from change order execution
Date of Substantial Completion	N/A

## Description of Change Order:

The overall cost of the recommended sewer maintenance exceeded the contract amount by \$7,536.25. An accurate assessment of the sewer condition was not available at the time of bidding which led to the requested overage. See breakdown below:

Item	Description	Unit Price	Units	Quantity	Total
2	Sewer Cleaning & Televising – Post	\$ 2.50	LF	-4,000	\$ -10,000.00
3	Additional Cleaning	\$ 1.00	LF	-800	\$ -800.00
4	Manhole Rehabilitation	\$ 135.00	VF	-200	\$ -27,000.00
5	Grout Pressure Testing – Mainline	\$ 34.00	EA	-384	\$ -13,056.00
6	Grout Pressure Testing – Lateral	\$ 550.00	EA	-67	\$ -36,850.00
7	Chemical Grout Material	\$ 12.50	GAL	-1,424	\$ -17,800.00
8	Lining of Sewer Main, 8" Dia	\$ 34.00	LF	3,974	\$135,116.00
9	Lining of Sewer Main, 10" Dia	\$ 37.00	LF	-400	\$ -14,800.00
10	Lateral Reinstatements	\$ 25.00	EA	-10	\$ -250.00
11	Contingency	\$ 8,023.75	LS	-0.875	\$ -7,023.75
					<b>\$ 7,536.25</b>

## NOT VALID UNTIL SIGNED BY ALL BELOW:

CONTRACTOR		OWNER'S REPRESENTATIVE (A/E/CM)	
FIRM NAME	United Survey, Inc.	FIRM NAME	Richard L. Bowen & Associates
ADDRESS	25145 Broadway Ave, Oakwood Village, Ohio 44224	ADDRESS	2019 Center Street, Cleveland, OH 44113
SIGNATURE		SIGNATURE	
NAME & TITLE		NAME & TITLE	Kevin Trepal – Asst. City Engineer
DATE		DATE	01/10/2020
		OWNER	
		FIRM NAME	City of Willoughby Hills
		ADDRESS	35405 Chardon Rd, Willoughby, OH 44094
		SIGNATURE	
		NAME & TITLE	G. Andrew Gardner – Mayor
		DATE	

**Pietro DiFranco**

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**From:** Kevin Trepal  
**Sent:** Tuesday, December 03, 2019 10:23 AM  
**To:** 'Gloria Majeski'  
**Cc:** Robert Weger Personal; Pietro DiFranco  
**Subject:** RE: Additional Funding - 2019 Sewer Rehab

**Categories:** Filed by Newforma

Hi Gloria,

United Survey sent us a 150+ page report of their findings from the cleaning and video survey. We then met with them to review the report, maintenance, and associated costs. After a few iterations of cost discussions we arrived at the breakdown I provided below in my 11/21/19 email which is a simplified summary for the ordinance. Let me know if you would like a copy of the full report to review.

Additionally, it would be helpful to include a little extra funding to account for contingencies that may arise in the field. The requested \$6,536.25 is based off a conservative estimate of the amount of grout needed to fill the sewer joint voids but the exact quantity won't be known until after the work is performed. I would feel comfortable with an additional \$1,000 of contingency being added.

Total Request: \$6,536.25 + \$1,000.00 = **\$7,536.25**

Give me a call if you have any questions or would like to discuss further.

Thanks,

**KEVIN TREPAL, PE**  
Willoughby Hills Asst. City Engineer

(o) 216.377.3838  
2019 Center St, Suite 500, Cleveland, OH 44113

**Bowen<sup>+</sup>** ARCHITECTURE – ENGINEERING – CONSTRUCTION

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**From:** Gloria Majeski [mailto:gloriamajeski@willoughbyhills-oh.gov]  
**Sent:** Tuesday, December 03, 2019 9:56 AM  
**To:** Kevin Trepal  
**Cc:** Robert Weger Personal  
**Subject:** RE: Additional Funding - 2019 Sewer Rehab

Thanks, Kevin. I will get the memo to Council later today or first thing tomorrow for your request. Can I get a copy of what United Survey sent to you?

Gloria Majeski,  
Executive Assistant to Mayor Weger  
City of Willoughby Hills  
35405 Chardon Road  
Willoughby Hills, OH 44094  
440-918-8730 fax: 440-975-3535  
[GloriaMajeski@WilloughbyHills-OH.gov](mailto:GloriaMajeski@WilloughbyHills-OH.gov)

**From:** Kevin Trepal [mailto:ktrepal@RLBA.com]  
**Sent:** Tuesday, December 03, 2019 9:27 AM  
**To:** Mayor <mayor@willoughbyhills-oh.gov>  
**Cc:** Gloria Majeski <gloriamajeski@willoughbyhills-oh.gov>; City Engineer Personal <PDiFranco@RLBA.com>  
**Subject:** RE: Additional Funding - 2019 Sewer Rehab

Hi Mayor,

Thanks for the call today. As discussed, let us know if you need anything else (i.e. signed change order) to prepare/approve the additional funding ordinance.

Thanks,

**KEVIN TREPAL, PE**  
Willoughby Hills Asst. City Engineer

(o) 216.377.3838  
2019 Center St, Suite 500, Cleveland, OH 44113

**Bowen<sup>+</sup>** ARCHITECTURE – ENGINEERING – CONSTRUCTION

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**From:** Kevin Trepal  
**Sent:** Thursday, November 21, 2019 9:46 AM  
**To:** 'Mayor@WilloughbyHills-OH.gov'  
**Cc:** 'Gloria Majeski'; Pietro DiFranco; [markgrubiss@willoughbyhills-oh.gov](mailto:markgrubiss@willoughbyhills-oh.gov)  
**Subject:** Additional Funding - 2019 Sewer Rehab

Hi Mayor,

Thanks for the call this morning regarding the overage on the 2019 Sewer Rehabilitation contract. As discussed, an additional \$6,536.25 is needed to complete all of the recommended sewer maintenance. Please review the specific details below and prepare an ordinance for council approval of the additional funding.

United Survey has cleaned/televised the below sanitary sewer sections and provided a detailed report of their findings and maintenance recommendations:

**Maintenance Recommendations**

1. Meadowbrook: CIPP Sewer Lining
2. Alan: CIPP Sewer Lining
3. Miller: CIPP Sewer Lining
4. Camelot: None
5. Istra: CIPP Sewer Lining & Grouting
6. Oakwood: Two Short Sewer Liners (No Cost – Promotional Value of \$9,000)
7. Lamplight: Grouting

United Survey has generously offered to install the two short liners on Oakwood Drive for free (\$9,000 value) as long as we proceed with the entire package of maintenance recommendations. Therefore, there is a significant savings involved with performing the additional \$6,536.25 of work this year in lieu of carrying it over to next year's contract.

Below is a detailed cost estimate:

2019 Sewer Rehabilitation	
CCTV	\$ 20,000.00
Grouting/Testing	\$ 3,944.00
Grout Material	\$ 950.00
Mainline CCIP	\$ 148,716.00
CCIP Lateral Reinstatements	\$ 1,425.00
	<b>\$ 175,035.00</b>

Current Contract Amt P.O. #CT001824	\$ 168,498.75
Difference	<b>\$ 6,536.25</b>

Let me know if you have any questions or would like to discuss further.

Thanks,

**KEVIN TREPAL, PE**  
Willoughby Hills Asst. City Engineer

(o) 216.377.3838  
2019 Center St, Suite 500, Cleveland, OH 44113

**Bowen<sup>+</sup>** ARCHITECTURE – ENGINEERING – CONSTRUCTION

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